

SWIMMING TEAM MEETS AMHERST TOMORROW

Last Home Contest of Season to
Be Held at Boston Y. M. C. A.
—Meets With Wesleyan and
Yale Will Complete Schedule

INTERSEE EXPECTED TO STAR

Tomorrow evening the Technology swimming team will meet with that of Amherst at the Boston Y. M. C. A. at eight o'clock. This is the last meet which the team will have at home, the remaining ones being at Middletown with Wesleyan and at New Haven with Yale. The first of these will be held on February 23 and the second, postponed on account of the shortage of coal, will probably take place on March 27.

The events which are scheduled for Saturday are the 100-yard dash, in which Captain Untersee will represent the Institute; the 50-yard dash with Untersee and Young as entries; the dive with Shaw and Walker; the plunge with Wales and Winn; the relay and 220-yard dash. In the relay, Trowbridge, Young, Shaw and Untersee will represent the Institute and in the 220-yard event Green and Bolan are entered. The last swim is expected to be a closely contested one, for Captain Vermilla of Amherst has the reputation of a very good swimmer. The manager hopes to see a large attendance at the meet to encourage the Institute contestants. The admission is by the student tax receipt or by a nominal fee at the Y. M. C. A.

The Institute team has had a successful year, especially in the last contest with Annapolis, when it tied the dark-horse contestants of the Naval Academy, and the men are confident of defeating the swimmers from Amherst.

Manager Sheeline of the team has decided to continue the practice through the spring term, in order to train material for next year's work. The intensive courses will severely affect the team and as a result it is important that the junior and senior freshmen enter the competition for the various places. Men are needed especially for the dive, plunge, and the 50 and 100-yard dashes. Practice is held at the Boston Y. M. C. A. on Monday, Wednesday and Friday, between 4.30 and 6.00 o'clock.

TECHNIQUE 1919 SIGN-UP CAMPAIGN NEARS CLOSE

Only Few More Subscriptions Needed
To Make Up Required Number.

Owing to the conditions this year, which are somewhat different from those of ordinary years, the managing board of the Technique 1919 has decided to print only one thousand copies, a somewhat smaller number than in former years. The sign-up campaign was carried on as usual in the fall with good success and has now been reopened in order to give the junior freshman a chance to subscribe. The campaign has been very successful and only a comparatively few more subscriptions are needed to make up the required number. In making this statement, however, the board does not wish to dissuade anyone from subscribing, for these last subscriptions are needed just as much as those before are.

The Technique 1919 will be of the same general type as the preceding ones, but will not be as thick, due to the fact that a semi-India paper will be used. For the benefit of the junior freshmen, it might be said here that Technique is an annual gotten out by the Junior class which deals with undergraduate affairs at the Institute. It contains the Senior portfolio and the records of all student activities which have taken place during the year. It appears during Junior Week in April and the first ten copies are given away in the Technique rush.

The management of Technique 1919 wants to get material which will be suitable for the "Grind" section of the year book. All material submitted

(Continued on page 2)

MEETING FOR NEWS STAFF COMPETITORS

There will be a meeting of all junior freshmen desiring to try-out for positions on the News Staff of THE TECH Monday, February 18, at 12.15 P. M. in THE TECH office in the Activities Building on Massachusetts Avenue. This competition is also open to senior freshmen.

TECH SHOW COMPETITIONS GOING ON IN FULL SWING

Try-outs for Cast and Chorus to Be
Held This Evening.

Now that the title of Tech Show 1918 has been announced and all preliminaries are over, the real work of preparing the production will be begun at once. Competitions for the stage department and for the poster have already been started and a large number of men reported for both. The title of this year's Show, "Let 'er Go," offers a broad field to the artist and a great many good posters are expected. As the stage department is a large factor in the success of the Show, there are a number of positions open for men who enter the competition.

The first rehearsal and the try-outs for the cast and the chorus will be held this evening in the Caf at 7.30 o'clock. It is most important that all men who signed up for these competitions at the Komers Smoker and in addition anyone else who may desire to compete be present at this meeting. Coach Duncan has arranged to come up from New York at this time to be present and to test the ability of the candidates. In order that the parts may be cast successfully, it is necessary that there be a great deal of material to choose from and the Show management wants to see everyone who has the least ability in the line of acting at the meeting in the Caf. There will be a chance for all to display their ability and the men will be chosen according to their merits.

MUSICAL CLUBS

Concert Will Be Given at West Bridgewater Tonight

In accordance with the policy lately determined upon by the management of the Musical Clubs to carry out the regular schedule of local concerts arranged, the organization will take a trip to West Bridgewater tonight to fill the first of these engagements. The entertainment will be given at Howard Seminary and the trip promises to be one of the most pleasant of the year for the men on the clubs. The party will leave the South Station on the 4.39 P. M. train and as this is the last train for West Bridgewater, it is imperative that all be there on time to catch the train, for otherwise they will be unable to get to the concert.

The biggest events of the term for the clubs will be the concerts at Wellesley on the 22nd and 23rd of this month. They will be given together with the Wellesley College Musical Clubs for the benefit of the Red Cross. The musical program will be particularly attractive, consisting of several combined numbers as well as selections by the separate organizations. All plans are receiving enthusiastic support at Wellesley College and the clubs hope for an equally strong backing by the men at the Institute. Train accommodations will make it convenient for those living in or near Boston to attend.

Dancing will follow the Saturday night entertainment and both concerts will be informal. Tickets may be obtained the latter part of the week at the Co-op. The schedule also includes concerts at Lynn and Salem next month. Manager Dalton has several other concerts in view and hopes to be able to take the clubs to Camp Devens for an entertainment.

FRESHMEN IN MEET WITH LOWELL HIGH TOMORROW

Coach Kanaly Expects Success
in Running Events — Lynn
Meet Cancelled Because of
Fuel Shortage

HERZOG MADE VARSITY CAPTAIN

The annual track meet between the freshmen and the Lowell High School team is scheduled to be held tomorrow successful performance of the freshmen relay team at the B. A. A. games.

Coach Kanaly has sufficient basis for expectations in all the running events. The events of the meet consist of a 30-yard dash, 35-yard low hurdles, 300-yard dash, 600-yard dash, 1000-yard dash, mile-run, high-jump, shotput and relay race. Names of representatives of the freshmen in the various events are as follows:

30-yard dash, H. P. Junod, W. F. Driscoll, L. K. Cowie, L. Evans; 35-yard low hurdles, Capt. M. F. Shelden, J. Hays, R. H. Skinner; 300-yard dash, P. Scott, D. Evans, L. W. at Lowell. Judging from the recent

H. A. HERZOG '19
Capt. Track Team

Conant; 600-yard dash, G. Bawden, O. Bards; 1000-yard dash, W. F. Atwood, W. G. Watterman, Jr., L. N. Brown, D. F. Carpenter; Mile-run, C. L. Stone, E. B. Roberts, J. F. Hennessey; high-jump, W. A. Emery, A. H. Fletcher; shotput, J. Hays, J. N. Worcester, N. G. Raymond.

As the relay race is the last event, Coach Kanaly expects to put in either his strongest men or the men who have been least used in the preceding events, as the number of points already won requires.

The meet between the Sophomores and the Lynn English High School scheduled for February 11 was canceled because of fuel shortage.

H. A. Herzog, '19, was elected captain of the varsity track team Tuesday by the members of the team. He has seen three years of service in track activities at the Institute and has developed into the mainstay of the team.

As usual the annual Naval Military meet will be held at Hartford, Conn., this year, and the Meadowbrook meet will be run off March 9 to 16. Coach Kanaly also hopes to enter men in the annual Pennsylvania Carnival Relay games on April 26 and 27, and in the Relay Championship of America. The annual dual Sophomore-freshman meet will be held here as usual this year.

CUSHMAN RETURNS FROM TOUR OF CANTONMENTS

General Secretary of T. C. A. Spends
4 Months in Y. M. C. A. Service

Mr. A. G. Cushman, the General Secretary of the Technology Christian Association, has just returned to his work at the Institute after spending four months in various American camps where he was engaged in looking after the interests of the Young Men's Christian Association. Before coming to Technology Mr. Cushman was prominent in Y. M. C. A. circles, and he has always kept in touch with the work of the organization. Soon after the launching of the enormous project for providing recreation for the men in all branches of the American Service, Mr. Cushman was asked to help the "Red Triangle" make its work suc-

(Continued on page 4)

TECH MEN TO ATTEND ALL- COLLEGE RALLY IN BODY

Technology men attending the All-College Rally in the Opera House Saturday evening will meet on the steps of the Y. M. C. A. Building on Huntington Avenue and will leave there promptly at 7.15 led by Lawrence Allen '07 for the Opera House. The management has kindly set aside a block of 300 seats for Tech men where they may sit together and cheer for Technology.

FRESHMAN WRESTLING BOUTS WILL BE HELD TOMORROW

First Year Teams Will be Formed From
Winners and Runners-up

The wrestling bouts for the championship of the freshman class will be held in the Caf Saturday evening at 7.00 o'clock. The winners in each of the classes mentioned below will compose the freshman team, which will wrestle the Sophomores later. A second team will be formed from the runners-up or second best men. This team will wrestle the junior freshmen when they have a team picked, the first freshman team, and will possibly hold some outside meets as well.

Between the semi-finals and the finals, an exhibition bout between "Packy" McFarland and "Gene" Smoley will take place.

The men talking part in the regular bouts are:

115 lb. class—W. P. Foster, H. M. Forbes, C. A. Johnson and Felsenthal. 125 lb. class—Acosta, Tucker, H. D. Moor Spaulding. 135 lb. class—O. Buckner, J. Gordon, F. M. Rowell, F. H. Herman. 145 lb. class—F. H. Stose, W. K. Ramsey, R. C. Johnson, F. H. Whelan. 158 lb. class—H. Rosenfield, E. McDonald, G. Datro, M. J. Root.

Students will be admitted upon showing their student tax receipts or upon paying 25 cents.

SENIOR DANCE

Entertainment Tomorrow Night Open to All Classes

The informal dance which is to be held at the Walker Memorial tomorrow evening has been opened to all classes. It was originally intended that it should be a Senior affair, but owing to the fact that there are not enough Seniors at the Institute at present to support even an informal function of this kind, the committee has decided to extend invitations to the whole school. In view of the success of these affairs in the past, a large attendance of both Seniors and members of the other classes are expected.

In view of the fact that all dances must close at 11.00 o'clock at present, the dance will begin promptly at 6.00 o'clock. A supper will be served at 8.00 o'clock. This is to be a somewhat more pretentious affair than the previous ones, and in view of that fact the price of the tickets will be two dollars. This price will be the same for couples or "stags." The tickets will be on sale in the main lobby every day from 1.00 to 2.00 P. M.

The dance will be a program affair but "cutting-in" will be allowed. Excellent music has been secured by the committee.

ASSISTANT MANAGERS PICKED FOR COMBINED MUSICAL CLUBS

At a recent meeting of the Executive Committee of the Combined Musical Clubs, three of the candidates competing for assistant managers' positions were chosen to fill the offices. The men elected are G. A. W. Smith, C. H. Burnham, and H. N. Landis, all of the class of 1921. All of the dozen men in this competition showed willingness and interest in the work, but the men chosen stood out particularly qualified to fill these positions and work up to higher jobs later on. At the end of the season two of the men will be picked for the positions of Treasurer and Publicity Manager for next year.

FEDERAL BOARD TO MOBILIZE COLLEGES

War Department Creates Com-
mittee to Direct Training of
Army Technicians—J. P. Mun-
roe '82 and Dr. Mann Appointed

TO TRAIN 100,000 MEN

In order to provide for the technical education of men needed particularly for the Ordnance Bureau and the Signal and Engineer Corps, the War Department has announced the creation of a special committee of Army officers and an advisory board of educators who will mobilize the schools and colleges behind the Army. The committee of officers, authorized under a general order, is to be known as the Committee on Education and Special Training, and is composed of Colonel Hugh S. John-Lieutenant Colonel Robert I. Rees, of the general staff, and Major Grenville Clark of the adjutant general's department.

The advisory board of educators whose selection has been approved by the Secretary of War is as follows: Dr. Charles R. Mann of the Carnegie Foundation for the advancement of teaching and the Massachusetts Institute of Technology; Dr. James R. Angell of Chicago, dean of the faculties of the University of Chicago; J. W. Dietz of Chicago, director of education, Western Electric Company; James P. Munroe of Boston, member of the Federal Board for Vocational Education, and Dr. Samuel P. Capen, specialist in higher education for the national Bureau of Education.

The general order of the War Department creating the committee defines its functions in the following terms:

"Under the direction of the chief of staff the functions of the committee shall be: To study the needs of the various branches of the service for skilled men and technicians; to determine how such needs shall be met, whether by selective draft, special training in educational institutions or otherwise to secure co-operation of the educational institutions of the country and to represent the War Department in its relations with such institutions; to administer such plan of special training in schools and colleges as may be adopted."

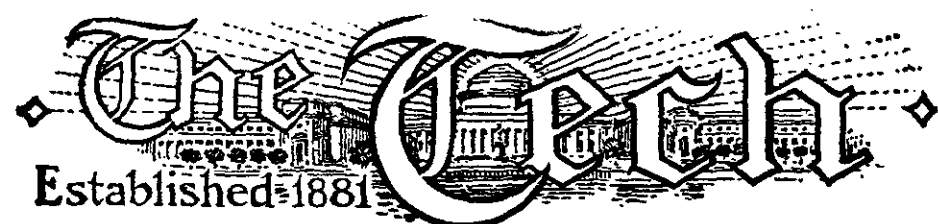
It is estimated that within the next six months 75,000 to 100,000 men will be given intensive training in schools and colleges. These men will be drawn from men now in training camps or about to be called thereto, and the registrants under the selective draft act. It is expected that most of the men selected for technical training will be taken from among the men who have registered under the selective draft law and who are awaiting training and the call to the colors.

James Phinney Munroe, a manufacturer by profession, is widely known for his activity on behalf of vocational education. He was born in Lexington in 1862, and twenty years later was graduated from the Institute. From 1882 to 1889 he was secretary of the faculty at Technology, resigning to become a member of the firm of James S. Munroe & Co. In 1910 he became president and treasurer of the Munroe Felt and Paper Company.

He is secretary of the Institute Corporation, of which he is a life member, and for nine years was managing editor of the Technology Review. He has been prominent in many historical and industrial societies, and is a member of several prominent clubs. He is the author of "The Educational Ideal," "A Sketch of the Munroe Clan," "Adventures of an Army Nurse," "New Demands in Education," "The New England Conscience," and has been a contributor to many education periodicals.

Dr. Charles R. Mann, Professor of Physics at the University of Chicago, was called to the Institute last March 22 to become chairman of a committee then being created, whose function was primarily to seek means of improving the methods of instruction. He has

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The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

IN CHARGE THIS ISSUE

C. B. Capps '20

K. Roman '20

FRIDAY, FEBRUARY 15, 1918

OUR CAR SERVICE

THE car service of the Boston Elevated has always been the object of much criticism among students of Technology, especially the service between the hours of 8.45 and 9 a.m. The Elevated has taken some steps to remedy the existing conditions, and has recently started to run a Riverbank Court car with much success. There is still much congestion, however, and many students have been late to their classes owing either to the lack of cars or to the overcrowded condition of those that did come. If shuttle cars could be run between Boylston Street and Central Square during the quarter hour preceding 9 o'clock it would accommodate a large number of students and would better the running time of the through cars from Harvard Square and Dudley Street.

We also suggest that a car start at the Institute buildings at 1.05 daily and convey across the river the large number of students who lunch in Boston. After the heatless Mondays are a thing of the past, and the Saturday's schedule is again in vogue at Technology, several cars, run three minutes apart, would help greatly to accommodate the crowds of students who close their day at 1 o'clock. Many of these students have been obliged to wait until after 1.25 before they could board a car. We are sure, if the Boston Elevated will act on some of these suggestions, the company will find it greatly to its advantage and would then be able to collect all the fares, and do away with the saying "Why walk across the bridge when you can ride free?"

THE ALL-COLLEGE RALLY

ARE you going to the big event at which you can show your patriotism both to your college and your country? Everyone else is, and you surely cannot afford to miss the opportunity. At this rally will be represented colleges from all parts of the country, and it is up to you, to show by your attendance that Technology is the liveliest college in the bunch. Furthermore, you will be helping a worthy cause, as letters from across seas are continually setting forth the service which the American University Union is rendering to college men. You will have the pleasure of hearing great speakers, and inspiring music, and the privilege of registering your support of the great work the colleges are doing in the war. Don't forget: tomorrow night, 7.45, Boston Opera House!

YOUR BIT IN CONSERVING

THE first ten months of the war have cost the United States about \$7,100,000,000, according to the figures issued by the Treasury Department on February 6. This money has all of it been put to some use; in order to carry on the war successfully it should be raised from funds ordinarily spent unnecessarily. Money does not spring from the ground, nor grow on bushes, and every cent spent for military work must be taken from some other venture. As there are 110,000,000 people in the United States, the share of every person for the first ten months is \$65.00. Have you denied yourself to that extent since last April?

TECHNIQUE 1919 SIGN-UP CAMPAIGN NEARS CLOSE

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must be original and an idea of what is wanted may be gained from the "Grind" section of the recent Techniques. All ideas which are sent in, whether fully worked out or merely outlined, should if possible be accompanied by thumb-nail sketches, suggestions as to make-up, illustrations, or

any other ideas which may seem suitable. Material should in general concern Institute life, but any general idea which is particularly good will be accepted. The individual who has the largest amount of "copy" accepted in this competition will be presented with a copy of the Technique 1919 by the board. All contributions must either be deposited at the Technique office, or be mailed to the Grind Editor, D. C. Sanford, Jr., '19, at 44 The Fenway, Boston, on or before Feb. 19.



The Question Box has been inaugurated for SERVICE. So many questions have arisen, and so many doubts have been expressed among both the student body and the Alumni about the relations of Technology and Technologists to the war, that the WAR TIME TECH has deemed it advisable to establish a medium for clearing up these difficulties. It is strongly desired that neither the Alumni nor the undergraduates will hesitate to send in any questions that concern them directly or any that they think will be of benefit to Technology in common.

Address all inquiries to The Question Box Editor, The Tech. The name of the questioner will be withheld from publication, but each letter must be signed.

The Question Box is for YOU personally. Be sure you use it!

Question Box Editor,
The Tech.

Dear Sir:

Will you please tell me when and where to pay the student tax, and for what this tax is levied? I am from another college and therefore not acquainted with Institute customs.

F. B. L.

The student tax should be paid at the Bursar's office as soon as possible. It is levied for the purpose of supporting athletics, to defray class and Institute Committee expenses, and to supply medical assistance.



Dartmouth—Although making no widespread attempt to enroll a new freshman class at the beginning of the present semester, Dartmouth College has departed from all its former precedents by allowing a new entering class, numbering less than a dozen, to enter college and take up work at first semester grade. This new ruling was made only after careful consideration by the administration of the college, which finally changed courses so that new men enter upon the work but recently completed by the class of 1921.

The new freshmen will be allowed either to attend summer school, where they may do enough extra work to put them in the class of 1921, or will be allowed to continue as at present and receive their degree in February, 1922. The college has not yet made any definite policy of receiving such a class at the commencement of each semester, taking its present step only because the conditions of the times seemed to demand it.

The Outing Club has scheduled its annual White Mountain trip for the week-end from Feb. 14 to 17 inclusive, and has invited the outing clubs of four neighboring colleges to join in it. The trip will include a climb to the summit of Mt. Washington.

The trustees have ratified the favorable decision of the faculty to close College at an earlier date than usual. All holidays and recesses except Town Meeting day, will be eliminated, the final examination period will begin May 16, the Commencement will be from May 25 to 27.

Yale—The Yale Student Council is considering plans for the creation of the Yale unit for war service. This unit will consist of men in neither the R. O. T. C. or Y. N. T. U., who desire instruction in such branches of civilian service as an ordnance corps at the Winchester Arms factory, army intelligence bureau, army business or desk work, Red Cross, Y. M. C. A., food administration, Liberty Bonds, and the like.

Trinity College.—The Junior Prom, the final event of Junior Week was held as usual. However, it lacked the customary elaborate decorations characteristic of previous years. This plan has been followed out in practically all the other universities, that of hosing the annual dance, but not on such an elaborate scale.

Boston University.—At a meeting of the faculty of the College of Business Administration, it was decided that military drills and lectures on Military Science will be made compulsory for every male student of the Day Division, beginning next year. The faculty of the College of Liberal Arts had previously taken similar action, the rule going into effect this term. Many of the students are now drilling with the B. U. battalion in the Commonwealth Armory.

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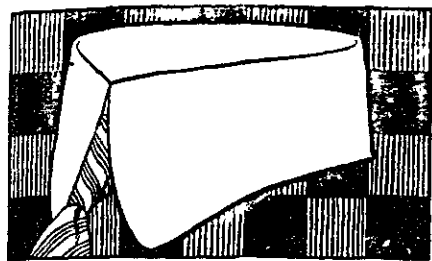
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WANTED—About thirty students to work during lunch hours. Apply to D. N. RUBIN, in Walker Memorial Dining Room.

TO MOBILIZE COLLEGES

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been occupied upon this work for about nine months, entering upon his active duties as chairman on about April 1. Dr. Mann, who is a native of Orange, N. J., is a graduate of both Columbia University and the University of Berlin, and the author of various writings on Physics and the teaching of science. For the last three years he has been on a leave of absence from the University of Chicago in order to enable him to devote his whole time to the service of the Carnegie Foundation for the Advancement of Teaching. This foundation in co-operation with the Society for the Promotion of Engineering Education and various national engineering societies through Dr. Mann and his associates made a careful study of engineering education.

INSTITUTE WAR SERVICE AUXILIARY DOING MUCH TO RELIEVE SUFFERING OF NEEDY

Nearly 1100 Articles Distributed in January to Men in Service and Refugee Children

The extent to which the War Service Auxiliary is responding to the needs of our men in service and also to the needs of destitute refugee children is clearly set forth in the Workroom bulletin which has just been published and which contains a list of nearly 1100 articles which were made and distributed during January.

"So great," it says, "has been the demand for the slippers made in the Workroom for bandaged feet or for ordinary bedside use that an appeal for carpeting from which to make the soles was published. The response has been generous and adequate." The articles of children's clothing included in the list represent a new departure, namely, relief for refugee children in France and Italy. Money has been raised especially for this work; models have been brought across the ocean—for American garments are too strange to be pleasing—and already one trunk of clothing is on its way, in charge of a friend.

Another trunk full of garments particularly asked for by Mr. Lansingh has just gone in the same manner. Mr. Lansingh has lately acknowledged the receipt of the large trunk that went to him before Christmas, and writes that practically all the packages sent by parcel post have reached him, as well as some suit-cases taken across by three of our men.

In connection with this two misstatements which recently appeared in The Tech should be corrected. One was to the effect that the workroom sends a comfort kit to every Tech man in service. The other was a much too narrow definition of the group of women who constitute the Auxiliary. They are by no means merely graduates and faculty ladies. Any woman who is interested in Technology is welcome to help, and it is a fact that wives, mothers, sisters, daughters, and friends of Technology men and Technology teachers are devotedly at work; more than once, also, donations have been given by persons more remote, who have been specially impressed by the Technology enterprise.

Further haziness evidently exists in some minds as to the objects of the workroom. The director defines them as follows: "First, to have here a centre where all Technology women can work for war relief; second, to attend to the needs of Technology men, and then to distribute through Technology men whatever they are able to give to less fortunate comrades, or, if they are in official positions abroad, to the suffering and needy of our Allies."

As to the first of these objects, the

women express the warmest appreciation of the atmosphere of the place, recognizing what it means to them to work at the same time for the fighting men and for Technology.

In regard to the second object of the workroom there is an ever-increasing body of appreciative testimony. One of those in charge of the workroom interrogated recently by an acquaintance as to the excuse for being. "I have not much interest in that sort of thing," was the comment. "Don't you trust your boys to the care of the Government and of the Red Cross?" Such a point of view betrays an almost obstinate ignorance of facts. There are a dozen different reasons why these boys are often in dire need of the things the workroom can send them. One fellow is in a part of France "where we do not have the advantage of the American Y. M. C. A.'s." One has been for two months quarantined, with his whole regiment, so that reading matter, always "appreciated in the army," was unattainable till the bookroom package arrived. Another has "reached a place where equipment is scarce and where it is impossible to buy anything with our own money." He needs a helmet and a small kit. A mother writes that she has been too busy with the care of younger children to finish the socks she has started for her boy, who is at Leavenworth, terribly cold. One boy says: "The Red Cross has missed me in my continuous transfers," and it must be remembered that engineers are specially subject to these frequent changes of location. Another explains that, as officers are "prohibited from obtaining any materials or supplies whatsoever from the Quartermaster's Department and as supplies at the stores here are as a rule either indifferent or expensive," he will be immensely grateful for a sweater and a kit. In an Alabama camp were men in tents nearly perishing of cold until a Tech man among them was sent sweaters. One man writes from France that he had lost on the journey not only his trunk but even the bundle he carried; he needed every article that the Technology Bureau could give him from its Auxiliary supplies. And what of the young lieutenant who writes from an American camp that his men have Red Cross sweaters and helmets, but are in absolute need of numerous other articles? Or that other, in France, whose command is in similar case—unable to get hold of socks, toothbrushes, and various minor necessities?

Certainly the case for the workroom is already more than made up from this testimony as to actual need.

GREAT RESPONSIBILITY RESTS ON COLLEGE MAN, SAYS GREGORY

The following article upon "The College Man and the War" by Attorney-General Gregory points out one of the many ways in which the college student is expected to help his country.

"The relationship of the college man to this war is almost sui generis. It has a great point of vantage and a great responsibility.

"Fresh from the study of the course and the instances of history, the college man should be able to look through the words and acts with which men and nations sometimes seek to disguise their real motives and purposes and to see in all their nakedness the true and real objects at which ambitious dynasties and nations aim. After all, the elemental passions of greed and avarice which drove the Persian to his ruin at Thermopylae are identical with those which have influenced dynasties since that time. Taught to detect all these in the actions of men and nations in the past, observant of the inexorable rules of cause and effect which have always heretofore and will always hereafter operate while man is man, he should have no illusions as to the great forces which have plunged and are holding the world in their terrible grip.

"But this is not all. The college man is fresh from his studies of the great principle of ethics and philosophy which thus far have guided the world in its march toward a perfect civilization. As he knows the mainsprings of human greed and avarice, so is he familiar with the sources of human right, justice and liberty which have preserved and protected mankind. He should understand and recognize the forces which make for the destruction of these principles, however they may be disguised. To him the alleged beneficent elements of Prussianism are the thinnest veneer over hideous principles destructive of all the good that man has during the centuries wrung from the hands of cruelty and oppression.

"Possessed of this knowledge and of the intuition and inspiration of youth which gives to him the right and the power to see the truth as it is, the college man has a large part of the responsibility of seeing that truth prevails. He will do but half his duty, will meet but half his responsibility, if he merely offers his own life for his country. He must, in addition to and beyond this, see to it that those of us whose vision has been dimmed by contact with the rough realities of life, share with him his wisdom, his intuition and his inspiration, that we, also, where necessary, shall be likewise willing to give our lives for truth, liberty and justice, to the end that the world shall be saved for a free humanity."

Technology Men in War Service

The Tech wishes to print the names of Technology men in War Service, whether in a military or industrial capacity, together with the branch of such service with which they have allied themselves.

Notification of any corrections or changes in the information given in this column will be appreciated. Address any information of this character to the Managing Editor, The Tech, Massachusetts avenue, Cambridge, Mass.

Class of 1918

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STUART E. ELLIOTT, 1st Lt., Avia. Sec., Sig. Cps., U. S. R.
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ALLEN T. HOWARD, Motor Insp., U. S. N. A. Det., M. I. T.

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C. V. S. KNOX, Airplane Insp., Curtiss Plant, Buffalo, N. Y.
KAHL H. KAISER, Plane Insp., U. S. N. A. Det., M. I. T.
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CLARENCE E. RICHARDS, JR., Cadet, U. S. N. A. Det., M. I. T.
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FREDERICK J. HOPKINSON, Pvt., S. E. R. C., unassigned.
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REGISTRATION SHOWS A SLIGHT DECREASE

Registration for the second term at the Institute stands at 1650, a remarkable record for the times when the army, navy and industrial work are all of them making insistent demands for young men of the usual college age. The figures can be taken with an understanding of all the conditions, for they are hardly suitable for direct comparisons. The number registered in September was 1670 or about ninety per cent of the normal, and the present showing is numerically twenty less. In getting to this figure there is first the mid-year entrance of freshmen, untried in technical institutions until the Institute set forth its plans, and this has resulted in the addition of one hundred new men to the list, while on the other hand, degrees have been recommended for more than sixty of the seniors who have already gone to military service or employment allied to war in the industries. The net loss to Technology since the fall registration therefore is not far from fifty, and of these quite a number remain at the Institute for studies in one or another of the special schools that Technology is carrying on for enlisted men or other branches of government service.

With reference to the supplementary schools that the Institute is carrying on for the Government, they are increasing in number as well as in numbers of students. In the aviation schools of the army and navy the attendances are larger than ever and the special school of inspectors of aeroplane materials is running to the full capacity of the accommodations for them in the machine tool laboratories. This will mean perhaps a thousand men who will be fitted by the end of the school year to undertake skilled inspection. In the department of Naval Architecture a repetition of the intensive courses that were so successful last spring is under way with some forty or fifty men enrolled in them.

This work, under the care of Professor C. H. Peabody, accepts seniors from other departments and by special work for ten weeks which is focused on the needs of ship designing, these men, already engineers in everything save the finishing touches, will be competent to help the government and private ship yards in what is one of the most pressing problems of the moment. Already the Institute has sent into such work some eighty men, who have literally been snapped up by the authorities, about twenty of them being inspectors and as many more naval constructors with eight or ten in the draughting work of the nation's navy. It has meant employment with opportunities for advancement and the prime difficulty at the Institute is to find men who are qualified for the intensive run that the special courses require.

In the department of Electrical Engineering a new school has been started with the beginning of the second term with about twenty students, who are practically near the end of their regular courses, through special work undertaken during the summer vacation period. These men, under the direction of Professor Kennelly, have taken up the special features of radio-engineering. This should be understood as distinct from the courses which make of the students operators in telegraph and wireless, for it includes the engineering fundamental to the establishment of systems and apparatus. These men will be of greatest value to the Signal Corps and to it they will naturally go on the completion of their work.

In the two groups of schools which the Institute has undertaken to direct for the U. S. Shipping Board as represented here by Henry Howard, there has been continued activity. Professor Miller has just started the eighth school for the officers of marine engine rooms, the total output of such men from Technology being not far from three hundred, while in the school for deck officers, it has been a puzzle what to do with the men who apply, so large has been the number.

Taken altogether, there are not far from three thousand men who are studying at the Massachusetts Institute of Technology at the present moment, not counting the Lowell School for Industrial Foremen of four hundred which is at work evenings, and the facilities for teaching are well at their limit. The growth of the little buildings about the grounds which are for motor laboratories or other special work continues and relieves to an extent the pressure in the regular laboratories.

ALUMNI TO WED

The engagements of Miss Frances Briggs of Brookline to Ensign H. N. French, U. S. N. '17 and of Miss Dorothy Kelly of Allston to J. M. Flint '18 have recently been announced.

OVER 200,000 U. S. TROOPS ABROAD SAYS COMMISSIONER

That the American Expeditionary Forces in France numbers more men than were in the U. S. Army when we declared a state of war with Germany last April (9,524 officers and 202,510 men) was the direct statement made by Andre Tardieu, the French High Commissioner to the United States, at a dinner given in New York city on Feb. 6. He also stated that on Jan. 1, 1918, France had mobilized, not including the native troops from the colonies and the workmen in the factories, 4,725,000 officers and men, of whom nearly 3,000,000 are in the army zone. M. Tardieu gave the further assurance that France will be able, before July 1, to manufacture enough artillery to supply twenty American divisions, or approximately 500,000 troops, if the United States adheres to the understanding that will give France the necessary raw material.

As to his country's artillery resources, M. Tardieu continued: "We have in the line 15,000 guns of every caliber, and every day more than 300,000 shells are turned out by our factories. To get those guns, to produce those shells, we created an industry which did not exist before the war, and which has enabled us not only to arm ourselves but to arm our Allies. Without speaking of what we manufacture for you and that is several hundred guns a month, we have during the past three years given to our Allies in Europe 1,350,000 rifles, 15,000 automatic rifles, 10,000 machine guns, 800,000,000 of cartridges, 2,500 guns and 4,750 airplanes."

Regarding France's own part in the war, M. Tardieu said: "What we have suffered you know. Nearly 20,000 square kilometers of our country, the richest and the most productive, are in the hands of the enemy. Our territory, amounts only to 35,000,000 inhabitants. A little over 1,000,000 have been killed in battle. Nearly 1,000,000 have been maimed and definitely invalidated out of the war."

T. C. A. MEETING

Executive Committee Plans Work for Present Term

Last Monday evening the Executive Committee of the Board of the Technology Christian Association held the first meeting of the term in the Grill Room of the Walker Memorial. The member of the Committee, Dean Burton, Mr. Walter B. Snow, '82, Pro. George B. Haven '94; Prof. Dugald C. Jackson, Bursar Ford, Mr. Percy R. Zeigler '00, Mr. Clarence W. Brett '13, heard the report of last term's work and discussed plans for this term. Very favorable reports were made of the work of the book exchange and the freshman discussion groups. It was planned to start these groups again this term, the subject for discussion being "The Application of Christian Principles to the Present International Situation." It is believed that this topic will prove interesting as it has been chosen by practically all of the large colleges of the country.

It was stated that 280 men had not paid the Y. M. C. A. pledges that they signed. These were due on December 15, 1917, and the Committee urges all men who have not done so to pay their pledges at the Bursar's office at once.

At the present time there are no student officers of the Association, and no students on the Executive Committee, all of them having entered some branch of the Government Service. Out of twenty-eight sub-committee chairmen, there are only five left. No definite action has been taken towards installing new officers, but the present Sophomores and freshmen are expected to continue the successful work that has been done in past years.

PLANS COMPLETED FOR NEW SMOKELESS POWDER PLANTS

The War Department announces the completion of plans and contracts for the construction of two smokeless powder plants, each to cost approximately \$50,000,000. These plants will be located at Charleston, W. Va., and Nashville, Tenn. Work has already begun on the Charleston plant, which will be constructed by the Government under contract with the Thompson-Starrett Company of New York. A contract has been signed with the du Pont Powder Company for the construction of the plant at Nashville. The construction work will be done by the du Pont Engineering Company, a subsidiary of the du Pont Powder Company. The du Pont company will construct and put into operation the Nashville plant. After this plant begins to operate smoothly it will be turned over to the United States Government by the du Pont Company. The du Pont Company will receive a nominal fee for its services in erecting and equipping the Nashville

plant. The estimated capacity of each plant is 500,000 pounds of powder per day.

Much of the product of the two new plants will be available for the Allied nations. It is deemed more expedient to ship the finished product abroad than to furnish the Allies with raw materials. From 10,000 to 15,000 men will be employed at each of the two Government powder factories. The initial output at each plant is expected not later than August next. By that time at least a part of the two factories will be in operation and the completion of all construction work with the maximum output will be reached as rapidly as possible. Under the terms of contract the du Pont Company will operate the Nashville plant for a sufficient period of time to make certain that when turned over to the Government it will have reached the highest operating efficiency. Negotiations for the construction of the two plants were conducted by Assistant Secretary of War Crowell and Mr. Daniel C. Jackling, of New York, special representative of the War Department. When completed the two plants probably will be officially designated as "The United States Smokeless Powder Factories," and will be under the directorship of Mr. Jackling, with Major Seeley W. Mudd, Engrs., U.S.R., as assistant director.

CUSHMAN RETURNS FROM TOUR OF CANTONMENTS

(Continued from page 1)

cessful. He was subsequently sent to Marblehead where he spent six weeks with the Naval Reserve Forces.

The following September, Mr. Cushman spent a short time at the Institute, starting the T. C. A. on the work

for this year. Very soon afterwards, however, he was again assigned to camp work, this time with the National Guardsmen at Westfield, Mass. Mr. Cushman remained there for about ten days when he was moved to Camp Devens, where he was stationed prior to his return to the T. C. A. last week.

At Ayer, Mr. Cushman was in charge of one of the eight or ten large "huts" in which the Y. M. C. A. entertains its guests. These sheds are substantially built wooden buildings, accommodating from five to eight hundred men, and providing every convenience for the men in camp. Every building has a stage constructed at one end, arranged for giving entertainments of various kinds. Of course the equipment would not be complete without moving picture machines, and "movie shows" are given twice a week. Other nights are devoted to lectures and entertainments given by the men themselves or volunteers from neighboring towns. The latter have enthusiastically offered their services to the Y. M. C. A. and have afforded the men much pleasure. Mr. Cushman said he was glad to see the many Technology men who were aiding the work, and he heartily thanks them, especially the M. I. T. Orchestra which gave a concert at the camp last Christmas. In spite of the poor transportation facilities many large parties have successfully staged elaborate affairs for the soldiers although under great difficulties, one of the parties there visited Mr. Cushman's building having spent the whole night making the return journey to Boston in an automobile truck.

At Ayer Mr. Cushman was building secretary of hut No. 24 which befriended about four thousand men of the Depot Brigade. Each building has an educational, a religious and a recreation secretary, and two assistants, who aid

the men in various ways. Mr. Cushman organized a class in military English for foreigners, which is but one of the many educational projects carried on. The men avail themselves of the opportunity for letter-writing and in hut No. 24 alone, about two thousand letters are mailed daily, the sale of stamps amounting to over sixty dollars a day.

Keeping up the work of such a building is not an easy task. There are always some men in the hut during the day making use of the library writing or studying, and as an entertainment is given every evening there is much to be done in preparation.

Found Articles

1 copy College Physics, 1 copy Electrolytic Dissociation, Theory, Notebooks, 2 cases containing drawing instruments, 1 large celluloid triangle, 2 small celluloid triangles, 1 Ingersoll wrist watch, 3 fountain pens, 1 Perfection watch with N. H. S. fob, 1 photograph, 1 celluloid rule, knives. These may be had by applying to the Supt. of Bldgs. & Power.

COLLEGE NOTES

(Continued from page 2)

University of Pennsylvania—The triangular debate between Pennsylvania, Columbia and Cornell will take place April 5. The wording of the question under discussion is as follows: "Resolved, That the government should exercise the power to restrict the expression of public opinion in war time."

Cornell—A movement is gaining ground at Cornell to again bring up the question of establishing all-the-year-round regular sessions, probably on the four-term plan as practiced at the University of Chicago.

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